



## NEW PROGRAM PROPOSAL FORM

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**Sponsoring Institution(s):** Three Rivers Community College

**Program Title:** Pre-Medical Laboratory Technology

**Degree/Certificate:** Certificate

**Options:** Click here to enter text.

**Delivery Site(s):** All Locations

**CIP Classification:** 511004

\*CIP code can be cross-referenced with programs offered in your region on MDHE's program inventory [highered.mo.gov/ProgramInventory/search.jsp](http://highered.mo.gov/ProgramInventory/search.jsp)

**Implementation Date:** August 2016

**Cooperative Partners:** None

\*If this is a collaborative program, form CL must be included with this proposal

**AUTHORIZATION:**

Mary Lou Brown/Vice President, Academic & Student Services

Name/Title of Institutional Officer

Signature

Date

Dionne Thompson

573-840-9672

Person to Contact for More Information

Telephone

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Form NP – New Program Proposal



## STUDENT ENROLLMENT PROJECTIONS

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Year	1	2	3	4	5
Full Time	5	5	5	8	7
Part Time	5	5	5	7	8
Total	10	10	10	15	15

Please provide a rationale regarding how student enrollment projections were calculated:

The demand for a college education has increased steadily over recent decades. At Three Rivers College the student headcount has increased by 46% over the past five years as compared to an average increase in headcount of 21.6% for all Missouri public two-year schools over the same time period (Missouri Department of Higher Education). Three Rivers College's in-district tuition of \$85 per credit hour is one of the lowest among Missouri colleges. The low cost, quality instruction and ease of course transfer to local four-year colleges, makes the completion of the Pre-Medical Laboratory Technology Certificate a valuable accomplishment for many Three Rivers College students. This program of study will allow students in our service area to obtain a certificate, and then choose to either complete their associate degree or transfer to a four-year institution. Based on discussions with students, some expressed their concern with being prepared to enter the Medical Laboratory Technology program. This option would allow students to be better prepared to enter the MLT program. The program anticipates a decreased attrition rate for students that do enter the program after completing their Pre-MLT certificate.



Provide a rationale for proposing this program, including evidence of market demand and societal need supported by research:

Needs analysis was conducted by evaluating the options currently available for our students. Completion of the Pre-MLT certificate will better prepare the student for entry into the MLT program, to complete his or her associate degree, or to transfer to a four-year university. Industries require employees with basic education skills, a need that is likely to increase in the future. People with a higher level of education earn more money over their lifetime and have a lower rate of unemployment than those who do not go to college. According to the University of Missouri Extension statistics, in 2000, the percentage of Missourians aged 25 or older who had completed some college or an associate degree was 27%. The U.S. Census Bureau, American Community Survey 2006-08 shows that the median annual incomes for those with a high school diploma was \$21,569, those with some college earned \$27,361 and those with an associate degree earned \$32,602. The Missouri Economic Research and Information Center shows that in 2010 unemployment in the state was 8.3% among those who had some college or an associate degree compared to 11.2% for those who had a high school diploma. This clearly shows the advantage of students completing at least some college level work.



PROGRAM STRUCTURE

A. Total credits required for graduation: 34 credit hours

B. Residency requirements, if any: 15 credit hours must be completed at Three Rivers Community College

C. General education: Total credits: 34 credit hours

Courses (specific courses OR distribution area and credits):

Course Number	Credits	Course Title
CHEM 111	5	Introductory Chemistry
MATH 103/153	4	Intermediate Algebra
ENGL 111	3	College Writing
CHEM 240	5	Basic Organic Chemistry
BIOL 231	4	Anatomy and Physiology I
GOVT 121	3	National and State Government
BIOL 232	4	Anatomy and Physiology II
IST 100	3	Computer Applications
PSYC 111 OR	3	General Psychology
SOCI 111	3	General Sociology

D. Major requirements: Total credits: \_\_\_\_\_

Course Number	Credits	Course Title

E. Free elective credits:

None

(Sum of C, D, and E should equal A.)

F. Requirements for thesis, internship or other capstone experience:

None

G. Any unique features such as interdepartmental cooperation:

None

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Program Title: Pre-Medical Laboratory Technology

Degree Type: One Year Certificate

Division: Nursing and Allied Health

Purpose: This certificate provides general education courses for students seeking admission to a Medical Laboratory Technology (MLT) program or health-related degree program. This certificate is not required prior to admission into the Three Rivers College's MLT program. (Refer to the Associate of Applied Science Medical Laboratory Technology (MLT) degree plan for admission criteria).

Fall Semester			Hours	
CHEM	111	Introductory Chemistry **	5	
MATH	103/ 153	Intermediate Algebra	4	
ENGL	111	College Writing	3	
TOTAL HOURS			12	

Summer Semester			Hours	
BIOL	232	Anatomy and Physiology II	4	
IST	100	Computer Applications	3	
PSYC Or SOCI	111 111	Psychology * or Sociology	3	
TOTAL HOURS			10	

Spring Semester			Hours	
CHEM	240	Basic Organic Chemistry	5	
BIOL	231	Anatomy and Physiology I	4	
GOVT	121	National and State Government	3	
TOTAL HOURS			12	

\*Pick either PSYC 111 or SOCI 111 for the MLT program (only one required for the MLT program).

\*\* Must achieve "A" or "B" grade.



## PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

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Institution Name      Three Rivers Community College  
Program Name          Pre-Medical Laboratory Technology  
Date      11/4/2015

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

### 1. Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.  
No special preparation is required. Student will be accepted at Three Rivers College.
- Characteristics of a specific population to be served, if applicable.  
No special preparation will be required. It is the policy of Three Rivers Community College to maintain and promote educational opportunity without regard to race, color, sex, age, religion, national origin, marital status, disability, veteran's status or other non-merit factors. All populations will be served.

### 2. Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.  
Normal faculty requirements that exist for those teaching in other transfer education programs will be required. Three Rivers Community College selects instructors based on a combination of education and work experience in the respective fields of study. Adjunct faculty must meet the same academic and professional requirements for teaching courses as would be required of full-time faculty to teach the same course.
- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.  
It is anticipated that 75% of the certificate credit hours will be assigned to full-time faculty.
- Expectations for professional activities, special student contact, teaching/learning innovation.

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The faculty will be expected to use various technologies such as Smart Boards, laboratory data system, internet-based and interactive television (ITV) delivery methods.

### 3. Enrollment Projections

- Student FTE majoring in program by the end of five years.  
It is anticipated that 60 students will major in the certificate by the end of the five years.
- Percent of full time and part time enrollment by the end of five years.  
Full-time enrollment 50%, Part-time enrollment 50%

### 4. Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.  
It is anticipated to have 30 graduates at the end of three years and 60 graduates at the end of five years.
- Special skills specific to the program.  
None
- Proportion of students who will achieve licensing, certification, or registration.  
None
- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.  
It is anticipated that students will pass above the 80th percentile on the Capstone Exam.
- Placement rates in related fields, in other fields, unemployed.  
It is anticipated that 80% of the graduates from the program will complete an Associate of Arts degree, enroll in the Three Rivers Medical Laboratory Technology program, or transfer to a four year institution and find employment.
- Transfer rates, continuous study.  
It is anticipated that 20% of the students will transfer to a four-year institution for further studies. The courses in the certificate are designed to transfer to four year universities and constitute vital information for the health professional to be successful.

### 5. Program Accreditation

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- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. **If there are no plans to seek specialized accreditation, please provide a rationale.**

Due to recent changes in Three Rivers Community College's advising process, a gap in financial aid existed by continuing to provide funding for courses in the Pre-Medical Laboratory Technology program without accounting for where students would be required to take them, the institution would be out of compliance with Federal Government requirements. This certificate creates transparency for both financial aid eligibility and transferability.

#### **6. Alumni and Employer Survey**

- Expected satisfaction rates for alumni, *including timing and method of surveys*. No surveys were conducted as these courses are required for degree completion indicating the satisfaction rate would be at or around 100%.
- Expected satisfaction rates for employers, including timing and method of surveys.  
N/A

#### **7. Institutional Characteristics**

- Characteristics demonstrating why your institution is particularly well-equipped to support the program.

Three Rivers College is a student-first campus. This allows our advisors and faculty to consider the student as a whole. The program recommended would help students that wished to enter the Pre-Medical Laboratory Technology program and enable advisors to properly advise students to be successful.